

Docket No. 290753US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yutaka TOKIWA

SERIAL NO: New U.S. PCT Application Based on PCT/JP04/16436

GAU:

FILED: Herewith

EXAMINER:

FOR: METHOD OF DECOMPOSING POLYHYDROXYALKANOATE RESIN

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

290753US0PCT

10/578331
 SERIAL NO.
 New U.S. PCT Application
 Based on PCT/JP04/16436

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Yutaka TOKIWA

FILING DATE

Herewith

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	10-191980	07/28/98	JP (equivalent of US5968801)		NO
	AP	7-155180	06/20/95	JP (with English abstract)		NO
	AQ					
	AR					
	AS					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AT	ROSSINI, Connie J. et al., "Use of In-situ Atomic Force Microscopy to Monitor the Biodegradation of Polyhydroxyalkanoates (PHAs)", Macromol. Symp., Vol. 167, Pages 139 -151, 2001.	
	AU	MANNA, A. et al., "Degradation of poly (3-hydroxybutyrate) by soil streptomycetes", World Journal of Microbiology & Biotechnology, Vol. 15, No. 6, Pages 705 - 709, 1999.	
	AV	TANSENGCO, M., "Microbial Degradation of Poly-β-hydroxybutyrate Using Landfill Soils.", Acta Biotechnology, Vol. 19, No. 3, Pages 191 – 203, 1999.	
	AW	KIM, Hwa Jung et al., "Characterization of an extracellular medium-chain-length poly(3-hydroxyalkanoate) depolymerase from Streptomyces sp. KJ-72", Antonie van Leeuwenhoek, Vol. 83, No. 2, Pages 183 - 189, 2003.	
	AX	SEI, K. et al., "Design of PCR primers and a gene probe for extensive detection of poly (3-hydroxybutyrate) (PHB)-degrading bacteria possessing fibronectin type III linker type-PHB depolymerases", Appl. Microbiol. Biotechnology, Vol. 55, No. 6, Pages 801 - 806, 2001.	
	AY	CALABIA, Buenaventura P. et al., "Microbial degradation of poly(D-3-hydroxybutyrate) by a new thermophilic Streptomyces isolate", Biotechnology Letters, Vol. 26, No. 1, Pages 15 - 19, 2004.	
	AZ	TOKIWA, Yutaka et al., "Degradation of microbial polyesters", Biotechnology Letters, Vol. 26, No. 15, Pages 1181 - 1189, 2004.	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.